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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/902,517

DATE: 01/30/2002
 TIME: 16:16:54

Input Set : D:\21900-20252.txt
 Output Set: N:\CRF3\01302002\I902517.raw

3 <110> APPLICANT: Seilhamer, Jeffrey J.
 4 Lewicki, John
 5 Scarborough, Robert M.
 6 Porter, Gordon J.
 8 <120> TITLE OF INVENTION: IMMUNOASSAYS FOR HUMAN AND CANINE BRAIN
 9 NATRIURETIC PEPTIDE
 11 <130> FILE REFERENCE: 219002025213
 13 <140> CURRENT APPLICATION NUMBER: 09/902,517
 14 <141> CURRENT FILING DATE: 2001-07-09
 16 <150> PRIOR APPLICATION NUMBER: 09/287,892
 17 <151> PRIOR FILING DATE: 1999-04-07
 19 <150> PRIOR APPLICATION NUMBER: 08/850,910
 20 <151> PRIOR FILING DATE: 1997-05-05
 22 <150> PRIOR APPLICATION NUMBER: 07/477,226
 23 <151> PRIOR FILING DATE: 1990-02-08
 25 <150> PRIOR APPLICATION NUMBER: 07/299,880
 26 <151> PRIOR FILING DATE: 1989-01-19
 28 <150> PRIOR APPLICATION NUMBER: 07/206,470
 29 <151> PRIOR FILING DATE: 1988-06-14
 31 <150> PRIOR APPLICATION NUMBER: 07/200,383
 32 <151> PRIOR FILING DATE: 1988-05-31
 34 <160> NUMBER OF SEQ ID NOS: 50
 36 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 38 <210> SEQ ID NO: 1
 39 <211> LENGTH: 26
 40 <212> TYPE: PRT
 41 <213> ORGANISM: Unknown
 43 <220> FEATURE:
 44 <223> OTHER INFORMATION: A portion of human ANP and pBNP.
 46 <400> SEQUENCE: 1
 47 Gly Ser Gly Cys Phe Gly Arg Lys Met Asp Arg Ile Ser Ser Ser Ser
 48 1 5 10 15
 49 Gly Leu Gly Cys Lys Val Leu Arg Arg His
 50 20 25
 52 <210> SEQ ID NO: 2
 53 <211> LENGTH: 25
 54 <212> TYPE: PRT
 55 <213> ORGANISM: Unknown
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: A portion of human ANP and the pBNP.
 60 <400> SEQUENCE: 2
 61 Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln Ser
 62 1 5 10 15

ENTERED

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63 Gly Leu Gly Cys Asn Ser Phe Arg Tyr
64 20 25
66 <210> SEQ ID NO: 3
67 <211> LENGTH: 26
68 <212> TYPE: PRT
69 <213> ORGANISM: Unknown
71 <220> FEATURE:
72 <223> OTHER INFORMATION: A portion of human ANP and pBNP.
74 <400> SEQUENCE: 3
75 Asp Ser Gly Cys Phe Gly Arg Arg Leu Asp Arg Ile Gly Ser Leu Ser
76 1 5 10 15
77 Gly Leu Gly Cys Asn Val Leu Arg Arg Tyr
78 20 25
80 <210> SEQ ID NO: 4
81 <211> LENGTH: 6
82 <212> TYPE: PRT
83 <213> ORGANISM: Unknown
85 <220> FEATURE:
86 <223> OTHER INFORMATION: An additional N-terminal amino acid extension.
88 <400> SEQUENCE: 4
89 Ser Pro Lys Thr Met Arg
90 1 5
92 <210> SEQ ID NO: 5
93 <211> LENGTH: 17
94 <212> TYPE: PRT
95 <213> ORGANISM: Unknown
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Peptides having natriuretic activity.
100 <221> NAME/KEY: VARIANT
101 <222> LOCATION: (5)...(5)
102 <223> OTHER INFORMATION: Xaa = Arg or Lys
104 <221> NAME/KEY: VARIANT
105 <222> LOCATION: (6)...(6)
106 <223> OTHER INFORMATION: Xaa = Leu or Met
108 <221> NAME/KEY: VARIANT
109 <222> LOCATION: (10)...(10)
110 <223> OTHER INFORMATION: Xaa = Gly or Ser
112 <221> NAME/KEY: VARIANT
113 <222> LOCATION: (12)...(12)
114 <223> OTHER INFORMATION: Xaa = Leu or Ser
116 <400> SEQUENCE: 5 / /
117 Cys Phe Gly Arg Xaa Xaa Asp Arg Ile Xaa Ser Xaa Ser Gly Leu Gly
118 1 5 10 15
119 Cys
122 <210> SEQ ID NO: 6
123 <211> LENGTH: 4
124 <212> TYPE: PRT
125 <213> ORGANISM: Unknown
127 <220> FEATURE:

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Input Set : D:\21900-20252.txt
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128 <223> OTHER INFORMATION: R1
130 <221> NAME/KEY: VARIANT
131 <222> LOCATION: (1)...(1)
132 <223> OTHER INFORMATION: Xaa = His, Arg or Gln
134 <221> NAME/KEY: VARIANT
135 <222> LOCATION: (2)...(2)
136 <223> OTHER INFORMATION: Xaa = Lys, Asp or Gly

138 <400> SEQUENCE: 6

W-139 Xaa Xaa Ser Gly

140 1

142 <210> SEQ ID NO: 7

143 <211> LENGTH: 5

144 <212> TYPE: PRT

145 <213> ORGANISM: Unknown

147 <220> FEATURE:

148 <223> OTHER INFORMATION: R1

150 <221> NAME/KEY: VARIANT

151 <222> LOCATION: (1)...(1)

152 <223> OTHER INFORMATION: Xaa = Met or Val

154 <221> NAME/KEY: VARIANT

155 <222> LOCATION: (2)...(2)

156 <223> OTHER INFORMATION: Xaa = His, Arg or Gln

158 <221> NAME/KEY: VARIANT

159 <222> LOCATION: (3)...(3)

160 <223> OTHER INFORMATION: Xaa = Lys, Asp or Gly

162 <400> SEQUENCE: 7

W-163 Xaa Xaa Xaa Ser Gly

164 1 5

166 <210> SEQ ID NO: 8

167 <211> LENGTH: 6

168 <212> TYPE: PRT

169 <213> ORGANISM: Unknown

171 <220> FEATURE:

172 <223> OTHER INFORMATION: R1

174 <221> NAME/KEY: VARIANT

175 <222> LOCATION: (1)...(1)

176 <223> OTHER INFORMATION: Xaa = Thr or Met

178 <221> NAME/KEY: VARIANT

179 <222> LOCATION: (2)...(2)

180 <223> OTHER INFORMATION: Xaa = Met or Val

182 <221> NAME/KEY: VARIANT

183 <222> LOCATION: (3)...(3)

184 <223> OTHER INFORMATION: Xaa = His, Arg or Gln

186 <221> NAME/KEY: VARIANT

187 <222> LOCATION: (4)...(4)

188 <223> OTHER INFORMATION: Xaa = Lys, Asp or Gly

190 <400> SEQUENCE: 8

W-191 Xaa Xaa Xaa Xaa Ser Gly

192 1 5

RAW SEQUENCE LISTING
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Input Set : D:\21900-20252.txt
Output Set: N:\CRF3\01302002\I902517.raw

194 <210> SEQ ID NO: 9
195 <211> LENGTH: 7
196 <212> TYPE: PRT
197 <213> ORGANISM: Unknown
199 <220> FEATURE:
200 <223> OTHER INFORMATION: R1
202 <221> NAME/KEY: VARIANT
203 <222> LOCATION: (2)...(2)
204 <223> OTHER INFORMATION: Xaa = Thr or Met
206 <221> NAME/KEY: VARIANT
207 <222> LOCATION: (3)...(3)
208 <223> OTHER INFORMATION: Xaa = Met or Val
210 <221> NAME/KEY: VARIANT
211 <222> LOCATION: (4)...(4)
212 <223> OTHER INFORMATION: Xaa = His, Arg or Gln
214 <221> NAME/KEY: VARIANT
215 <222> LOCATION: (5)...(5)
216 <223> OTHER INFORMATION: Xaa = Lys, Asp or Gly
218 <400> SEQUENCE: 9
W-> 219 Lys Xaa Xaa Xaa Xaa Ser Gly
220 1 5
222 <210> SEQ ID NO: 10
223 <211> LENGTH: 8
224 <212> TYPE: PRT
225 <213> ORGANISM: Unknown
227 <220> FEATURE:
228 <223> OTHER INFORMATION: R1
230 <221> NAME/KEY: VARIANT
231 <222> LOCATION: (3)...(3)
232 <223> OTHER INFORMATION: Xaa = Thr or Met
234 <221> NAME/KEY: VARIANT
235 <222> LOCATION: (4)...(4)
236 <223> OTHER INFORMATION: Xaa = Met or Val
238 <221> NAME/KEY: VARIANT
239 <222> LOCATION: (5)...(5)
240 <223> OTHER INFORMATION: Xaa = His, Arg or Gln
242 <221> NAME/KEY: VARIANT
243 <222> LOCATION: (6)...(6)
244 <223> OTHER INFORMATION: Xaa = Lys, Asp or Gly
246 <400> SEQUENCE: 10
W-> 247 Pro Lys Xaa Xaa Xaa Xaa Ser Gly
248 1 5
250 <210> SEQ ID NO: 11
251 <211> LENGTH: 9
252 <212> TYPE: PRT
253 <213> ORGANISM: Unknown
255 <220> FEATURE:
256 <223> OTHER INFORMATION: R1
258 <221> NAME/KEY: VARIANT

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Input Set : D:\21900-20252.txt
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259 <222> LOCATION: (4)...(4)
260 <223> OTHER INFORMATION: Xaa = Thr or Met
262 <221> NAME/KEY: VARIANT
263 <222> LOCATION: (5)...(5)
264 <223> OTHER INFORMATION: Xaa = Met or Val
266 <221> NAME/KEY: VARIANT
267 <222> LOCATION: (6)...(6)
268 <223> OTHER INFORMATION: Xaa = His, Arg or Gln
270 <221> NAME/KEY: VARIANT
271 <222> LOCATION: (7)...(7)
272 <223> OTHER INFORMATION: Xaa = Lys, Asp or Gly
274 <400> SEQUENCE: 11

W-> 275 Ser Pro Lys Xaa Xaa Xaa Ser Gly

276 1 5
278 <210> SEQ ID NO: 12
279 <211> LENGTH: 4
280 <212> TYPE: PRT
281 <213> ORGANISM: Unknown
283 <220> FEATURE:
284 <223> OTHER INFORMATION: R2
286 <221> NAME/KEY: VARIANT
287 <222> LOCATION: (1)...(1)
288 <223> OTHER INFORMATION: Xaa = Asn or Lys
290 <400> SEQUENCE: 12

W-> 291 Xaa Val Leu Arg

292 1
294 <210> SEQ ID NO: 13
295 <211> LENGTH: 5
296 <212> TYPE: PRT
297 <213> ORGANISM: Unknown
299 <220> FEATURE:
300 <223> OTHER INFORMATION: R2
302 <221> NAME/KEY: VARIANT
303 <222> LOCATION: (1)...(1)
304 <223> OTHER INFORMATION: Xaa = Asn or Lys
306 <221> NAME/KEY: VARIANT
307 <222> LOCATION: (5)...(5)
308 <223> OTHER INFORMATION: Xaa = Arg or Lys
310 <400> SEQUENCE: 13

W-> 311 Xaa Val Leu Arg Xaa

312 1 5
314 <210> SEQ ID NO: 14
315 <211> LENGTH: 6
316 <212> TYPE: PRT
317 <213> ORGANISM: Unknown
319 <220> FEATURE:
320 <223> OTHER INFORMATION: R2
322 <221> NAME/KEY: VARIANT
323 <222> LOCATION: (1)...(1)

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY
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Input Set : D:\21900-20252.txt
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L:117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:648 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33